A store owner was buying uniforms for his employees. If each of his three stores needed eight uniforms how many uniforms would he need?	A store owner was buying uniforms for his employees. If each of his six stores needed four uniforms how many uniforms would he need?
A store owner was buying uniforms for his employees. If each of his two stores needed twelve uniforms how many uniforms would he need?	A store owner was buying uniforms for his employees. If each of his four stores needed six uniforms how many uniforms would he need?

Zoe was practicing for a marathon. She practiced for six days, running two miles each day. How many miles did Zoe run altogether?	Zoe was practicing for a marathon. She practiced for four days, running three miles each day. How many miles did Zoe run altogether?
Zoe was practicing for a marathon. She practiced for two days, running six miles each day. How many miles did Zoe run altogether?	Zoe was practicing for a marathon. She practiced for three days, running four miles each day. How many miles did Zoe run altogether?

John bought six boxes of books at a yard sale. If each box had six books how many books did he buy?	John bought four boxes of books at a yard sale. If each box had nine books how many books did he buy?
John bought nine boxes of books at a yard sale. If each box had four books how many books did he buy?	John bought three boxes of books at a yard sale. If each box had twelve books how many books did he buy?

A pet store sold five gerbils in one week. If each of the gerbils cost eight dollars, how much money would they have made?	A pet store sold eight gerbils in one week. If each of the gerbils cost five dollars, how much money would they have made?
A pet store sold ten gerbils in one week. If each of the gerbils cost four dollars, how much money would they have made?	A pet store sold four gerbils in one week. If each of the gerbils cost ten dollars, how much money would they have made?

Katie was drawing on scrap paper. She could fit four drawings on each page. If she has eight pieces of paper, how many drawings can she make?	Katie was drawing on scrap paper. She could fit two drawings on each page. If she has sixteen pieces of paper, how many drawings can she make?
Katie was drawing on scrap paper. She could fit eight drawings on each page. If she has four pieces of paper, how many drawings can she make?	Katie was drawing on scrap paper. She could fit sixteen drawings on each page. If she has two pieces of paper, how many drawings can she make?

You must work together to Escape! There are 3 locks that must be opened. Each lock has its own unique combination.

Find the combination to each lock to break free. Good luck!

First Lock

Did you crack the code? What is the combination for the first lock? Once you know, show your teacher.

_____ _____ _____ _____

Second Lock

Did you crack the code? What is the combination for the second lock? Once you know, show your teacher.

_____ _____ _____ _____

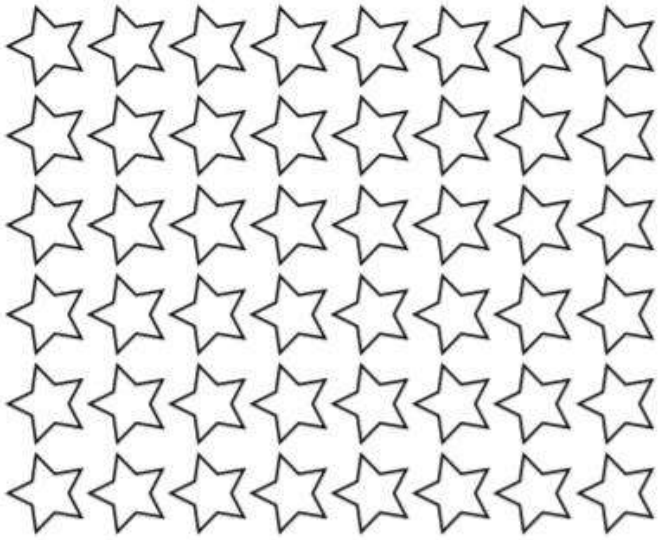
Third Lock

Did you crack the code? What is the combination for the third lock? Once you know, show your teacher.

_____ _____ _____ _____

Can you crack the code on the first lock? You will need to think about all you have learned this year to find success. Good luck.

Ethan made the array below to show the product of 6×7.



Does Ethan's model show the product of 6×7? Explain why or why not.

Answer

_____

_____

_____

Your **first two digits** are equal to the product of 6 and 7.

_____ _____

Callee and Garrett are working to save money for a summer trip. Calle earns eight dollars an hour and works eight hours in one week. Garrett earns nine dollars an hour and works 3 hours in one week. Who earned more money during the week? What is the difference between what Callee earned and what Garrett earned?

Show your work

Your **last two digits** are equal to the difference between the amount Callee earned and the amount Garrett earned.

_____ _____

Congratulations! You managed to get ONE lock opened. You will need to really focus if you wish to get the last two opened. Are you up for the challenge?

Edwin uses 4 rolls of green ribbon and 8 rolls of purple ribbon for a project.

- Each roll of green ribbon has a length of 90 feet.
- Each roll of purple ribbon has a length of 60 feet.

What is the difference in length, in feet, between the total amount of green ribbon and the total amount of purple ribbon Edwin uses?

Show your work.

Your **first three digits** are equal to the solution of the problem above.

_____ _____ _____

A tennis coach buys 8 cans of tennis balls. There are 3 tennis balls in each can. All of the tennis balls will be shared equally among 6 players. How many tennis balls will each player get?

Show your work.

Your **fourth digit** in the combination is the correct answer when you solve the problem above.

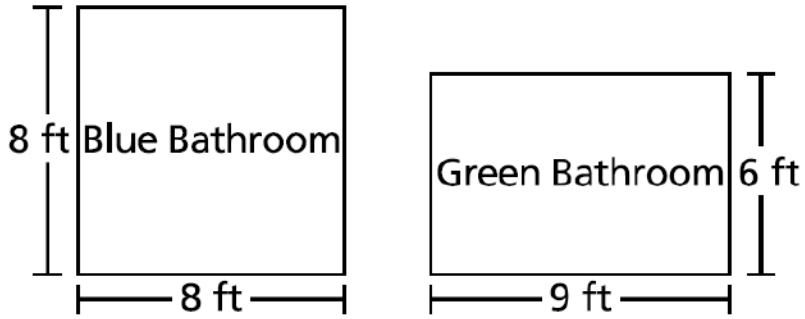
_____

Congratulations! You have opened two-thirds of the locks.

But do you have what it will take to open the last one?

Settle in, this one may be tricky!

The sizes of two bathroom floors in Beth's house are shown below.



Beth says that the area of the floor of the green bathroom is larger than the area of the floor of the blue bathroom. Is Beth's statement true? Why or why not?

Explain your answer.

Your **first two digits** in the combination is equal to the area of the green bathroom in the problem above.

_____ _____

Two figures are shown below.

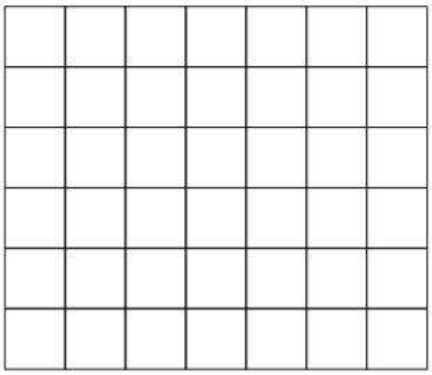


FIGURE A

KEY
= 1 square foot

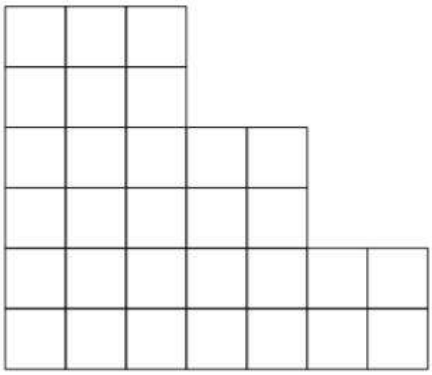


FIGURE B

What is the difference, in square feet, between the area of Figure A and the area of Figure B ?

Explain how you found your answer.

Your **last two digits** in the combination is equal to the area of the green bathroom in the problem above.

_____ _____